



Strapping Machine

Automatic horizontal strapping machine

Standardized communication interface

Signal exchange with potential-free contacts.

Effective and efficient strapping head

Strapping head modular is easily replaceable.

Light weight system

Light weight aluminium chute system.

Practical strapping programs

Teach-In function for 25 strapping programs with 10 positions.

HSM MHC series

Our automatic horizontal strapping machine for plastic strapping applications

Reasons why our automatic horizontal strapping machines are the choice for customers:

■ Latest generation machines

The Signode HSM range of strapping machines are the latest generation of horizontal strapping machines utilising the industry proven MHC strapping heads.

■ Lightweight and accurate

As the arch uses a lightweight aluminium chute system and electrically driven strap guide system the HSM can provide accurate and repeatable strapping on each load whilst ensuring low total cost of ownership.

■ Easy maintenance

The HSM range of machines feature a horizontally positioned, floating strapping head making it easy to replace reducing downtime.

■ Operation & safety

7" operator panel with menu-navigated operation Individual languages. All functions can be selected via this menu.



Triggering the strapping program on the top edge of the package

Permits saving and working with strapping programs in relation to the different high packed goods.

Key elements of our products:

Why the HSM MHC series is the new industry standard for plastic strapping applications.

■ Upgrade for additional strapping programs and positions

Teach-In-system for up to 99 programs x 1 - 10 strapping positions.

■ Inventive electrical system

Electrical driven strap guide system.

■ Free standing

Strap dispenser pulley block free-standing.

■ 90° swivel position

Best accessibility to the strapping head.

■ Standard strapping head

PET + PP uses flat strap only.
Strap tension 80 - 900 N
Width for PET + PP is 9 - 12,5 mm and thickness 0,45 - 0,7 mm.

■ Automatic options

Automatic strap end detection and automatic strap threading.

■ Low-wear

HSM MHC overall low-wear chain drive.

■ Innovative design

Machine frame in column design.



Electrical driven strap guide system

An accurate electrical driven strap system for exact strap positioning.

HSM MHC series

Our Automatic horizontal strapping machine



Key Technical Specifications

Strapping head	MHC horizontal
Head stroke to package	Max. 500 mm (150 mm / sec)
Carriage speed, vertical (mm/s)	Approximatly 300
Strapping type*	Width: 9 -12,5 mm PET & PP flat strap Thickness: 0.45-0.70 mm
Strap tension	80 - 900 N fully adjustable
Sealing method	Friction welded
Conveyor width	see table of package dimension
Chute type	Closed horizontal chute with flaps
Electrical supply	460 VAC, 60 Hz, 3Ph 400 VAC, 50 Hz, 3Ph
Power consumption** (kVA)	1.2
Control voltage (VDC)	24
Throughput**	55 pallets/hour, strapped twice (18 m/min conveying speed)
Machine weight (kg)	650 - 900
Packaging dimensions	See table
Min. strapping height	100 mm above the conveyor / 250 mm above the floor
Max. strapping height	3650 mm above the floor
Strap coil (mm)	Ø 406 Width 152
Control console	Free standing, 5 m cable length

Machine options

- Free standing control desk²
Operation comprises
 - Main switch / Emergency Stop / Control Start
- Control panel Siemens KPT 700-7"
 - All functions setable via HMI
 - Easy-to-use interface
 - Available in different languages
- PLC Simatic S7-1214C
Standard strapping program
Manual / Cycle / Automatic / Free pass through
- Incoming Signals³
 - Door safety switch
 - Emergency Stop
 - Start complete cycle
 - Conveyor stopped¹
 - Package not finished, further strapping will follow
- Outgoing Signals³
 - Conveyor release
 - Emergency Stop
 - Emergency Stop circuit closed
 - Door safety switch closed
 - Strapping finished
 - General fault display
 - Automatic
 - Error message display in event of fault

- ¹ Conveying equipment is not a component of the HSM MHC machine
- ² According to the standard material specification
- ³ According to the standard interface definition

Product



* The straps used for the respective applications must correspond with the strap specifications recommended by Signode.

** Consumption: Depends on the conveyor frame and package dimensions, conveyor speed, package distances and strap tension.

Standard ring dimensions

Package width W [mm] x
Package length L [mm]

800 x 1,200

1,000 x 1,200

1,200 x 1,000

1,200 x 1,200

1,400 x 1,400

other dimensions on request